ASSIGNMENT QUESTIONS

1. Implement the methods of String with examples.
2. Implement the methods of List with examples.
3. Implement the methods of Tuple with examples.
4. Implement the methods of Dictionary with examples.
5. Implement the methods of Set with examples.
6. Write a python program to convert Decimal to Binary, Octal and Hexadecimal with direct method.
7. Implement Arithmetic operators with examples.
8. Implement Assignment operators with examples.
9. Implement Comparison operators with examples.
10. Implement Logical operators with examples.
11. Implement Bitwise operators with examples.
12. Implement Membership operators with examples.
13. Implement Identity operators with examples
14. Demonstrate Negative indexing for List and apply slicing.
15. Predict the output for the given code snippet and justify the result.

```python
print( 'A series of characters designated as one object known as a string'[::-1][4::3] )

print("-----------")

print( 'Welcome to Python traing program'[3:10][::-1] )
```

16. Write a python code to get desired output

    Input string   : p_phrase = "was it a car or a cat I saw"

    Output string   :   WAS I TAC A RO RAC A TI SAW

17. You are required to generate a word similar to **ZOO**, X and Y that denote the number of **Z**s and **O**s respectively. The generated word similar to **ZOO** where Y= 2 * X.
    Input X= **2** Output **ZZOOOO**
    Input X= **5** Output **ZZZZZOOOOOOOOOO**

18. Matrix Subtraction, Addition, Multiplication

Note: Take your own examples.